

IKA SHIELD ANCHOR FORGED EYE BOLT FOR CONCRETE, BRICKWORK & STONE



Product Information



DESCRIPTION

Suitable for temporary or permanent anchorage. Supplied complete with shield, washer and hex nut. Must not be used for safety harness applications or for lifting where shock load could be applied.

SUITABLE FOR USE IN:

Concrete
Brickwork
Stone.

FEATURES

1. Eye designed & manufactured for maximum performance.

IKA Shield Anchor Eye Bolt

REFERENCE	BOLT SIZE	SHIELD LENGTH (mm)	OVERALL LENGTH (mm)	HOLE DIAMETER IN STRUCTURE (mm)	MINIMUM HOLE DEPTH (mm)	EFFECTIVE EMBEDMENT DEPTH (mm)	APPROXIMATE DIAMETER IN EYE (mm) d	RECOMMENDED TORQUE (Nm)	
								30N/mm ² CONCRETE	20.5N/mm ² BRICKWORK
M6FE	M6	45	73	12	50	35	10	6.5	5
M8FE	M8	50	87	14	55	40	12	15	7.5
M10FE	M10	60	108	16	65	50	14	27	13
M12FE	M12	75	130	20	85	60	17	50	23

Specification Data (Concrete Only)

IKA Shield Anchor Eye Bolt Performance Data

SIZE	CONCRETE, $f_{ck,cube} = 30\text{N/mm}^2$ (C20/25)							
	CHARACTERISTIC RESISTANCE (kN)	DESIGN RESISTANCE (Factored) (kN)	RECOMMENDED LOAD (Unfactored) (kN)	CHARACTERISTIC EDGE DISTANCE (mm)	CHARACTERISTIC SPACING (mm)	RECOMMENDED LOAD (Unfactored) (kN)	CHARACTERISTIC EDGE DISTANCE (mm)	CHARACTERISTIC SPACING (mm)
	TENSION (N_{Rk})	TENSION (N_{Rd})	TENSION (N_{rec})	TENSION ($C_{cr,N}$)	TENSION ($S_{cr,N}$)	OBLIQUE 45° (F_{rec})	SHEAR ($C_{cr,V}$)	SHEAR ($S_{cr,V}$)
M6	5.3	2.4	2.0	80	120	0.57	70	80
M8	9.6	4.5	3.8	100	150	1.67	85	100
M10	15.2	7.0	5.8	120	180	2.31	100	120
M12	22.1	10.2	8.5	160	250	3.23	130	160

For further explanations on calculations please see pages 5 and 6

For brickwork data in tension only, refer to standard brickwork table on preceding pages